

CLAIMS

1. A method of controlling a tuneable laser that has been characterised with respect to one or more suitable laser operation points, where each of said operation points is determined by the manner in which the different laser sections (7-10) are controlled in order to operate the laser in a predetermined operation point, characterised by determining the voltage across the different laser sections (7-10) for different operation points when controlling said laser; and holding the voltage across the different laser sections (7-10) constant when the laser is in operation, such as to maintain a predetermined operation point.
2. A method according to Claim 1, characterised by applying predetermined constant voltages across respective laser sections (7-10) with the aid of a voltage supply unit (13).
3. A method according to Claim 1 or 2, characterised by measuring the voltage across respective sections (7-10), and adjusting the voltage supply unit (13) so as to maintain said predetermined voltage across each section (7-10).
4. An arrangement for controlling a tuneable laser that has been characterised with respect to suitable laser operation points, where said operation points are determined by the current to be injected into the different laser sections (7-10) in order for the laser to operate in a predetermined operation point, characterised by a voltage unit (13) which during operation of the laser functions to hold the voltage across the different laser sections (7-10) constant over time in accordance with the voltage that was measured across the

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different laser sections (7-10) in respect of said different operation points measured when characterising the laser, such as to maintain a predetermined operation point.

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5. An arrangement according to Claim 4, characterised by a circuit (20) that functions to measure the voltage across respective sections (7-10), wherein the circuit (20) is adapted to adjust the voltage unit (13) to maintain said predetermined voltage across each section (7-10).
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